

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Docket No. 128410-2 (MHM 13865US02)**

PATENT APPLICATION OF:

Anderson et al.

SERIAL NO.:

FILED: November 14, 2003

FOR: Magnetic Tracking System

Art Unit: 2862

Examiner: Darrell Kinder

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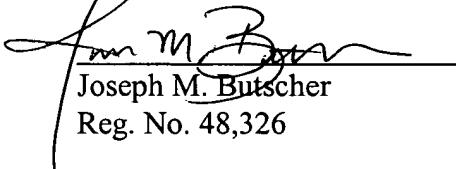
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22313-1450.

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Joseph M. Butscher

) Reg. No. 48,326

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) Date: November 14, 2003

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313 -1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, it is respectfully requested that the references listed on the attached PTO Form 1449 be considered in the examination of the above-identified patent application:

Pursuant to 37 C.F.R. § 1.98(d), the Applicants are not required to submit the references listed on the attached PTO Form 1449 because these references were previously cited by, or submitted to, the Office in a prior application, namely, United States Serial No. 10/108,197,

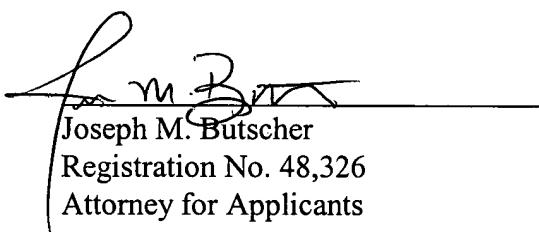
which was filed March 27, 2002. The present application is a divisional of United States Serial No. 10/108,197, and thus relies on that application for an earlier filing date under 35 U.S.C. § 120.

This submission, is in no way intended as an admission that the listed references constitute prior art under any subsection of 35 U.S.C. § 102. Applicants expressly retain the right to take any actions necessary to remove the listed references from the available prior art.

Consideration of the listed references in the examination of the present patent application is respectfully requested.

No fee is believed to be due because it is believed that this statement and enclosures are being filed before the first Office Action on the merits has been mailed by the PTO. Please charge any other fees due in connection with this statement to Deposit Account 50-2403.

Respectfully submitted,



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Date: November 14, 2003

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Form PTO-1449 (Rev. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 128410-2 (MHM 13865US02)	SERIAL NO.
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT: Anderson, et al	
		FILING DATE Herewith	GROUP ART UNIT: 2862

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,983,474	9/28/76	Kuipers			
	4,054,881	10/18/77	Raab			
	4,109,199	8/22/78	Ball, et al			
	4,316,866	9/23/86	Blood			
	4,642,786	2/10/87	Hansen			
	4,737,794	4/12/88	Jones			
	4,742,356	5/3/88	Kuipers			
	4,849,692	7/18/89	Blood			
	4,945,305	7/31/90	Blood			
	5,172,056	12/15/92	Voisin			
	5,307,072	4/26/94	Jones, Jr.			
	5,453,686	9/26/95	Anderson			
	5,558,091	9/24/96	Acker et al.			
	5,600,330	2/4/97	Blood			
	5,640,170	6/17/97	Anderson			
	5,767,669	6/16/98	Hansen et al.			
	5,967,980	10/19/99	Ferre et al.			
	6,073,043	6/6/00	Schneider			
	6,095,150	8/1/00	Panescu et al.			
	6,172,499	1/9/01	Ashe			
	6,177,792	1/23/01	Govari et al.			
	6,188,355	2/13/01	Gilboa			
	6,223,066	4/24/01	Govari			
	6,233,476	5/15/01	Stommer et al			
	6,226,547	5/1/01	Lockhart et al.			
	6,246,231	6/12/01	Ashe			

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	6,636,757	10/21/03	Jascob, et al				
	2001/0047133	11/29/01	Gilboa et al.				
	5,646,524	7/97	Gilboa				
	6,380,732	4/02	Gilboa				
	6,427,079	7/02	Schneider et al.				
	6,534,982	3/03	Jakab				
	6,615,155	9/03	Gilboa				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 01/69594 A1	9/20/01	PCT				
	WO 00/36428-A1	6/22/00	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	"A Source of Accurately Calculable Quasi-Static Magnetic Field," by Peter Traneus Anderson (October, 2001)
	Jackson, John D. "Classical Electrodynamics" (1975)
	Brogan, William L. "Modern Control Theory" (1991)
	Horn, Berthold "Closed-form solution of absolute orientation using unit quaternions" J.Op Soc. Am., Vol. 4 April 1997
	Raab, Frederick H. "Quasi static magnetic field technique for determining position and orientation." IEEE Transactions on Geoscience and Remote Sensing, Vol. GE-19, October 1981 (pages 235-243)
	Smythe, William R. "Static and Dynamic Electricity" (1989) (pages 333 and 415)
	Zachmann, Gabriel "Distortion correction of magnetic fields for position tracking" Computer Graphics Int'l (CGI 1997)
	Anderson, "An electromagnetic tracking system using printed circuit coils," from IEEE Antennas and Propagation Society International Symposium, 2001, Vol 1, pp 304-307, July 2001
	Plotkin and Paperno, "3D magnetic tracking of a single subminiature coil with a large 2D array of Uniaxial transmitters," IEEE Transactions on Magnetics, Col. 39 no. 5, Sept. 2003, pp 3295-3297

EXAMINER

DATE CONSIDERED

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